

RNA expression (in relative units)

encoded gene product	Con.	Seq 1			Seq 2			Seq 3			Seq 4		
		O	U	C	O	U	C	O	U	C	O	U	C
transcription factor 1	100	100	100	0	100	100	0	100	100	0	100	100	0
transcription factor 2	100	30	200	0/170	100	100	0	100	100	0	100	300	0/200
etc...	100	100	100	0	100	100	0	100	100	0	100	100	0
etc...	100	100	100	0	100	100	0	100	100	0	100	100	0
transcription repressor 1	100	30	200	0/170	100	100	0	100	100	0	100	100	0
transcription repressor 2	100	200	30	170/0	100	100	0	100	100	0	100	100	0
etc...	100	100	100	0	100	100	0	100	100	0	100	100	0
etc...	100	100	100	0	100	100	0	100	100	0	100	100	0
kinase 1	100	100	100	0	100	100	0	100	100	0	100	100	0
kinase 2	100	100	100	0	100	100	0	100	100	0	100	100	0
etc...	100	100	100	0	100	100	0	100	100	0	100	100	0
etc...	100	100	100	0	100	100	0	100	100	0	100	100	0
structural protein 1	100	100	100	0	300	90	210/0	100	100	0	100	100	0
structural protein 2	100	100	100	0	100	100	0	100	100	0	100	100	0
etc...	100	100	100	0	100	100	0	100	100	0	100	100	0
etc...	100	100	100	0	100	100	0	100	100	0	100	100	0
oxidoreductase 1	100	100	100	0	100	100	0	20	105	0/85	20	105	0/85
oxidoreductase 2	100	100	100	0	100	100	0	100	100	0	100	100	0
etc...	100	100	100	0	100	100	0	100	100	0	100	100	0
etc...	100	100	100	0	100	100	0	100	100	0	100	100	0
receptor 1	100	100	100	0	100	100	0	20	105	0/85	20	105	0/85
receptor 2	100	100	100	0	100	100	0	100	100	0	100	100	0
etc...	100	100	100	0	100	100	0	100	100	0	100	100	0
etc...	100	100	100	0	100	100	0	100	100	0	100	100	0
secreted protein 1	100	100	100	0	100	100	0	20	105	0/85	20	105	0/85
secreted protein 2	100	100	100	0	100	100	0	100	100	0	100	100	0
etc...	100	100	100	0	100	100	0	100	100	0	100	100	0
etc...	100	100	100	0	100	100	0	100	100	0	100	100	0
all known sequences	100	100	100	0	100	100	0	100	100	0	100	100	0
etc...	100	100	100	0	100	100	0	100	100	0	100	100	0
etc...	100	100	100	0	100	100	0	100	100	0	100	100	0
unknown sequences (e.g. Seq 1)	100	300	0	300/0	100	100	0	100	100	0	100	100	0
Seq 2	100	100	100	0	300	0	300/0	100	100	0	100	100	0
Seq 3	100	100	100	0	300	90	210/0	300	0	300/0	100	100	0
Seq 4	100	100	100	0	100	100	0	100	100	0	150	50	100/50
etc...	100	100	100	0	100	100	0	100	100	0	100	100	0

"Con" = control cell expression

"O" = overexpression

"U" = underexpression

"C" = combined effect

Figure 1